

ABSTRACT OF THE DISCLOSURE

A self-contained line generating device uses a laser diode and a lens to project a fan-shaped beam of visible light. The lens is useful for receiving light and transmitting light in an asymmetrical planar beam. The light is useful for aligning objects in a vertical or a horizontal line. The generator also includes a substantially flat face and leveling devices for leveling and orienting the generator onto a flat surface. Retractable pins enable a user to easily mount the line generator onto a wall and align objects.